

CYANOALKYL-HETEROCYCLIC COMPOUND AND INSECTICIDE

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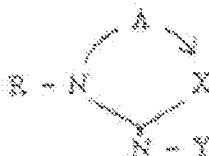
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Abstract of JP 63307857 (A)

NEW MATERIAL: The compound of formula I (R is cyanoalkyl; A is bivalent group of (substituted) 2-4C saturated or unsaturated hydrocarbon; the bond between A and B is univalent, bivalent, etc.; X is NH, N, O, S, CH, etc.; Y is cyano, nitro, etc.).

EXAMPLE: 3-(2-Cyanoethyl)-2-

cyanomorpholinotetrahydro-1,3-thiazine. USE: An insecticide free from phytotoxicity to cultured plants and applicable against harmful insects (e.g. azuki bean weevil, grain weevil, gypsy moth or green rice leafhopper). PREPARATION: The compound of formula I can be produced by reacting a compound of formula II with a compound of formula R-Hal (Hal is halogen).



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